

## ABSTRACT

A method for producing a phosphor comprises a burning step to burn a phosphor material containing elements constituting a host material of the phosphor and an activator or compounds containing the elements by heating. In the burning step, the phosphor material is continuously passed through a rotating tubular heating furnace disposed in a tilting manner with respect to a horizon to be heated and burned in the heating furnace, and the burned material continuously discharged from the heating furnace is cooled down rapidly. Spherical phosphor particles which are uniform in a particle diameter and shape thereof and exhibit high dispersibility can be produced at low cost and in good yield.